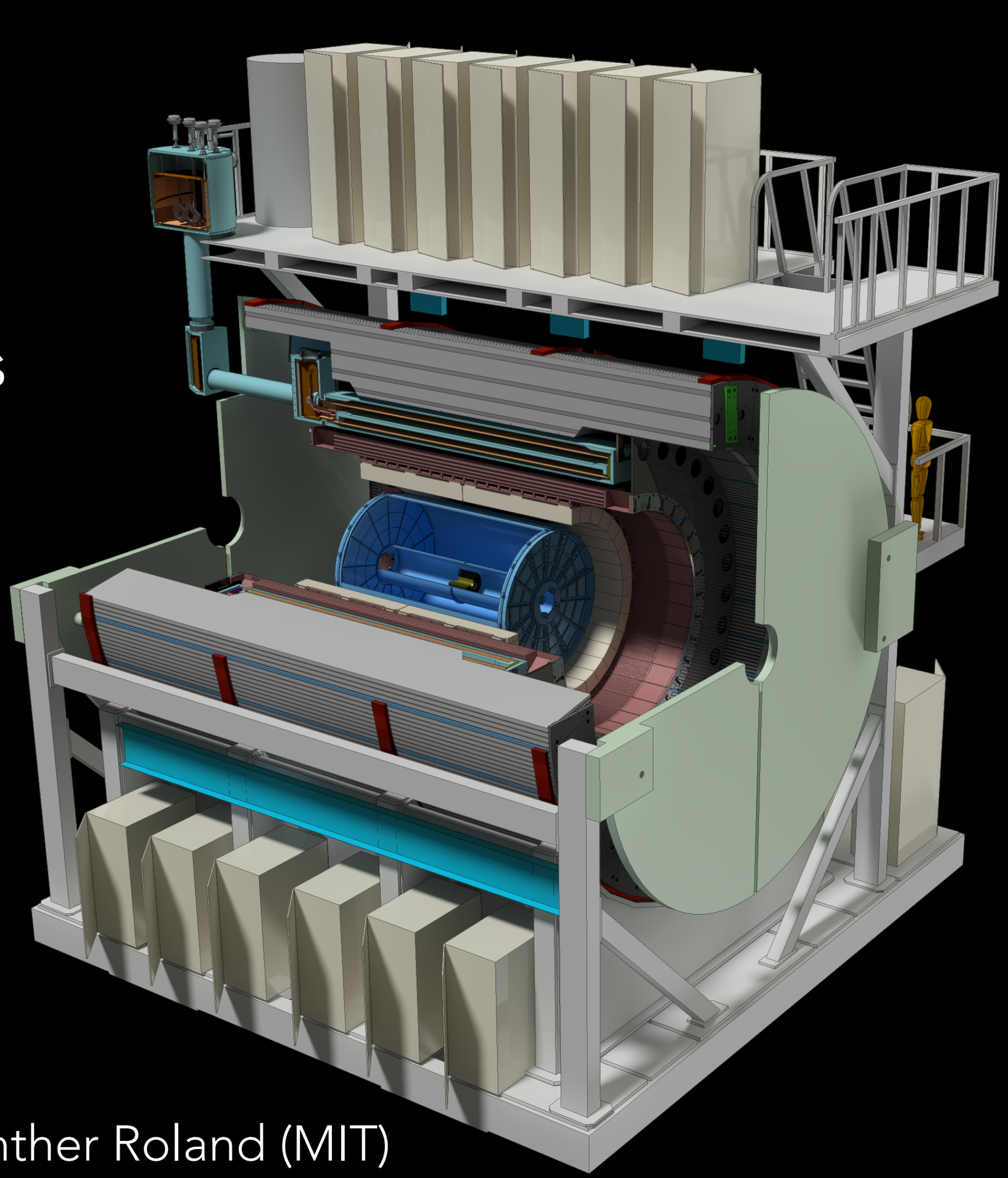
sPHENIX Notes
- policy and plans
General meeting
April 28, 2017



Dave Morrison (BNL), Gunther Roland (MIT)

Preparing for upcoming reviews, proposals and conferences

- Upcoming “critical” milestones: MAPS directors review and proposal, CD-1 review (and directors review), PAC meeting and MFU proposal

- Many meetings, workshops, conferences with prominent sPHENIX talks: INT, User’s meeting, SQM, CERN Jet workshop etc etc

- Need to update our key detector and physics performance plots
  - Move to baseline + MAPS configuration
  - Move to new tracking and jet reco code
  - Move to “multi-year program” lumi assumptions
  - Recover some lost capabilities (e.g. UE subtraction)

Principles for upcoming studies

- Clearly defined goals
- Based on common stable (tagged) MC detector configuration
- Based on stable (tagged) software versions
- Based on common straw man run plan
- **Lightweight review for results**
- **Written documentation for results**

Proposed publication policy (freeze before next GM)

Proposed publication policy for sPHENIX notes:

- sPHENIX will prepare a “Performance Note” or “Physics note” for each performance or physics study to be presented in public
  - Performance note: Under guidance of L2 managers or tracking group
  - Physics note: Under guidance of TG conveners
- Each note should be prepared by a group of primary authors, with one of the primary authors designated as contact person.
- The **internal** primary author list for each note will consist of collaborators that made significant specific contributions to analysis or paper writing
- Each note will be given a unique ID, following a scheme of “sPh-Group-YYYY-##”, e.g. sPH-JET-2017-001 or sPH-TRG-2017-001
- For each note, a unique directory in a repository and a mailing list will be created, identified by the note ID. Each note should be accompanied by a wiki page, collecting relevant links, documentation, meeting notes, presentations etc
- Progress on each study should be reported regularly in subsystem, simulation or topical group meetings
- Once the study is considered final by the authors, it will be reviewed for content and pre-approved by the subsystem/topical group conveners when ready
- After convener/subsystem manager approval, the note will be presented in a general meeting for collaboration approval
- Once approved, the text of the note will go for a one-week collaboration review. For each note, at least two sPHENIX institutions will be specifically asked to provide a report for the note, paying particular attention to the quality of language and presentation
- Once conveners and co-spokespeople are satisfied that all questions and comments have been addressed, the note will be frozen and made public on the sPHENIX website. Relevant physics plots will be prepared for public access through the website. For public presentations, the note ID should be quoted where relevant. Submission to the arXiv will be considered where appropriate
- When necessary, variations from the policy will be overseen by the project manager and spokespeople (e.g., for notes crossing boundaries between groups/subsystems)

on a related note, Peter will make some suggestions
on common look and feel for sPHENIX plots

Possible list of notes
(turn into plan before next GM!)

- **“Luminosity projections and possible sPHENIX run plan for 2022-2025”**
- **“Performance of the sPHENIX central tracker in pp and AA collisions”**
- **“Performance of the sPHENIX calorimetric jet reconstruction in pp and AA collisions”**
- **“Performance studies for an sPHENIX forward upgrade”**
- “Performance of the sPHENIX isolated photon reconstruction in pp and AA collisions”
- **“Identification of b-tagged jets in pp and AA collisions with sPHENIX”**
- **“Fast simulation studies of sPHENIX open heavy flavor measurements”**
- “MC studies of Jet RAA measurements with sPHENIX”
- “MC studies of Upsilon RAA measurements with sPHENIX”

bold = self-evident